



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

BARROW, Harry

Application No.: 10/732,989

Filed: December 11, 2003

For: METHOD AND SYSTEM FOR ESTIMATING THE
POSITION OF A MOVABLE DEVICE IN A BOREHOLE§
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Customer Number 37003

Group Art Unit: 3672

Examiner: N/A

Attorney Docket No.: 57.0479 US NP

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to: Hon. Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Lorraine Ronnlund *March 29, 2004*
Lorraine Ronnlund Date

INFORMATION DISCLOSURE
STATEMENTHONORABLE COMMISSIONER FOR PATENTS
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, 1.97 and 1.98, the Applicant wishes to bring the reference materials listed in the attached Form PTO-1449 to the attention of the U. S. Patent and Trademark Office. Copies of the references are provided for the Examiner's convenience.

No representation is made or intended that a complete and exhaustive prior art search has been made, or that no better references than those set forth below are available. Furthermore, this Statement does not constitute an admission that these references are properly citable against the present application as prior art. It is respectfully requested that these references be considered by the Examiner and formally made of record in this case.

This information disclosure statement is being filed before receipt of the first office action. Therefore, applicants believe that no fees are due. However, in the event that the first office action has been mailed prior to the filing of this information disclosure statement, the Commissioner is authorized to charge Deposit Account No. 19-0615 in the amount of \$180.00, to cover the fee set forth in 37 CFR 1.17(p) for submission of an information disclosure statement under §1.97(c). The Commissioner is authorized to charge or credit any deficiency/overpayment to Deposit Account No. 19-0615. Two copies of this paper are attached.

04/05/2004 WABRHAM1 00000094 190615 10732989

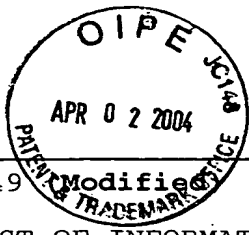
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Respectfully submitted,

William B. Batzer, Registration No. 37,088

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Date: MARCH 29, 2004



FORM PTO-1449

LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

57.0479 US NP

SERIAL NO.

10/732,989

APPLICANTS

Harry Barrow

FILING DATE

11 Dec 2004

GROUP

3672

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

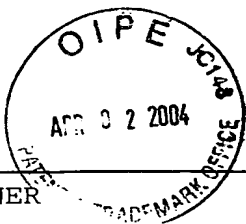
Examiner Initial		Document No.	Date	Patentee
	AA	4 812 977	03/14/89	Hulsing
	AB	4 843 875	07/04/89	Kerbart
	AC	4 945 775	08/07/90	Adams et al
	AD	5 483 061	01/09/96	Sloan
	AE	5 522 260	06/04/96	Chappellat et al
	AF	6 405 798 B1	06/18/02	Barrett et al

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation Yes No

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

AG	Borenstein et al 'Where am I?' Sensors and methods for mobile robot positioning The University of Michigan, 1996
AH	Rubin Using the SIR algorithm to simulate posterior distributions Bayesian Statistics 3, Oxford University Press, 1988, pp 395-402
AI	Tanner (edited Berger et al) Lecture notes in statistics, Tools for statistical inference observed data and data augmentation methods Springer-Verlag, 1991, chapter II, pp 6-15
AJ	Thrun Probabilistic robotics Communications of the ACM, March 2002, volume 45, no. 3
AK	Thrun et al Robust Monte Carlo localization for mobile Robots Artificial Intelligence 128 (2001), Elsevier Science B.V. pp 99-141



EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.